



UNITED STATES DEPARTMENT OF COMMERCE
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
08/973,249	04/01/98	LIMPAECHER	R 05892/006001

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EXAMINER

RILEY, S

ART UNIT

PAPER NUMBER

2838

DATE MAILED: 10/22/98

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No.
08/973,249

Applicant(s)
Limpaecher

Examiner
Riley

Group Art Unit
2838



☐ Responsive to communication(s) filed on _____

☐ This action is **FINAL**.

☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claims

☒ Claim(s) 25-30 is/are pending in the application.

Of the above, claim(s) _____ is/are withdrawn from consideration.

☒ Claim(s) 29 is/are allowed.

☒ Claim(s) 25-28 and 30 is/are rejected.

☐ Claim(s) _____ is/are objected to.

☐ Claims _____ are subject to restriction or election requirement.

Application Papers

☒ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on _____ is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.

☒ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been
☐ received.

☐ received in Application No. (Series Code/Serial Number) _____.

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

☒ Notice of References Cited, PTO-892

☒ Information Disclosure Statement(s), PTO-1449, Paper No(s). 7

☐ Interview Summary, PTO-413

☒ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

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DETAILED ACTION

Specification

1. The disclosure is objected to because of the following informalities: The summary of the invention, at pages 2-8 should not be written in the grammar and language of the claims. It is recognized that Applicant's wish to provide a basis of matter in the specification to avoid, *inter alia*, a new matter rejection. However, once recited (i.e., when first filed) in the original application's claims, a first paragraph U.S.C. 112 rejection based on lack of written description (or enablement or best mode for that matter) would not be proper. The written description is not the place to introduce the legal phraseology of the claims. The specification (other than the claims) should be written so that the average person who is skilled in the art (not in legal nuances) would be added by reading the information.

More particularly, since the purpose of the brief summary of invention is to apprise the public, and more especially those interested in the particular art to which the invention relates, of the nature of the invention, the summary should be directed to the specific invention being claimed, in contradistinction to mere generalities which would be equally applicable to numerous preceding patents. That is, the subject matter of the invention should be described in one or more clear, concise sentences or paragraphs.

The brief summary, if properly written to set out the exact nature, operation, and purpose of the invention, will be of material assistance in aiding ready understanding of the patent in future searches. The brief summary should be more than a mere statement of the objects of the

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invention, which statement is also permissible under 37 CFR 1.73.

Appropriate correction is required.

Further, a brief summary of the invention indicating its nature and substance, which may include a statement of the object of the invention, should precede the detailed description. Such summary should, when set forth, be commensurate with the invention as claimed and any object recited should be that of the invention as claimed. Since the purpose of the brief summary of invention is to apprise the public, and more especially those interested in the particular art to which the invention relates, of the nature of the invention, the summary should be directed to the *specific invention* being claimed, in *contradistinction to mere generalities* which would be equally applicable to numerous preceding patents. That is, the subject matter of the invention should be described in one or more clear, concise sentences or paragraphs. Stereotyped general statements that would fit one case as well as another serve no useful purpose and may well be required to be canceled as surplusage, and, in the absence of any illuminating statement, replaced by statements that are directly in point as applicable exclusively to the case in hand. Appropriate correction is required.

2. The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.
3. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

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Claim Rejections - 35 U.S.C. § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. § 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 25-28 and 30 are rejected under 35 U.S.C. § 102(b) as being fully anticipated by "Three-Phase AC-to-AC Series-Resonant Power Converter with a Reduced Number of Thyristors", Klassens et al., as cited in PTOL-1449 herein. Klassens et al. show, (in, e.g., figure 1 and 2) a plurality of charge storage elements (C_1^a , C_2^a , C_3^a , C_1^b , C_2^b , C_3^b), a plurality of charge transfer elements (SMa/SMb), and a charge redistribution circuit (SMa/SMb).

Allowable Subject Matter

6. Claim 30 is allowable over the prior art of record.

7. As allowable subject matter has been indicated, applicant's response must either comply with all formal requirements or specifically traverse each requirement not complied with. See 37 C.F.R. § 1.111(b) and section 707.07(a) of the M.P.E.P.

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Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Limpaecher (U.S. Patent 5,764,501) shows a compact and efficient power transfer system.

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Examiner Riley whose telephone number is 703.305.3487. The Examiner can normally be reached Monday through Thursday from 7:30-6:00 p.m. Eastern Standard Time. The fax phone number for this Group is 703.305.7731 or 7732. Further, the fax phone number for this art unit (2111) is 703.305.7723. Any inquiry of a **general nature** or relating to the **status** of this application or proceeding should be **directed to the Group receptionist** whose telephone number is 703.308.1782.



Shawn Riley
Primary Examiner
Art Unit 2838